

Date: Mon, 22 Aug 94 05:30:43 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #946  
To: Info-Hams

Info-Hams Digest                      Mon, 22 Aug 94                      Volume 94 : Issue    946

Today's Topics:

    ANARTS (RTTY) News Bulletin 823 21st August 1994  
    Questions: Digital Scanning, Cellphones, Transmissions  
    VK2WI Weekly News, 21 August, 1994

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
-----

Date: 22 Aug 1994 22:05:08 +1000  
From: ihnp4.ucsd.edu!munnnari.oz.au!metro!news.ci.com.au!eram.esi.com.au!not-for-mail@network.ucsd.edu  
Subject: ANARTS (RTTY) News Bulletin 823 21st August 1994  
To: info-hams@ucsd.edu

[ ANARTS - Australian National Amateur Radio Teletype Society ]

ANARTS (RTTY) News Bulletin 823 21st August 1994

3.545 MHz	0930 UTC	VK2BQS (Jim)
7.045 MHz -3	0030 UTC	VK2CTD (Col)
14.070 MHz (amtor/fec)	0030 UTC	VK2DPM (Alan)
14.091 MHz	0030 UTC	VK2BQS (JIM)
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT VK2RWI (or VK2AAB)
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

A.N.A.R.T.S. News Bulletin 823 21st August 1994

News is more than a bit scarce this week, and we will be on the lookout for better news for next week.

Perhaps you have some news from your club that will be of interest to other clubs in this country -- is your club about to have a contest, or perhaps a field day? We would be glad to hear from you and spread the word to others. We want to help your club with publicity so think of us when next an event is happening in your area. Send to Pat, VK2JPA at VK2AAB, and watch it go Australia-wide, and better.

-----

Hope you are participating in the SAARTG RTTY contest today. Keep the VK callsign up on the scoreboard. Best of luck.

-----

IPS weekly report

-----

12 August - 18 August 1994

Issue No 33

Date of issue: 19 August 1994

INDICES:

Date	12	13	14	15	16	17	18
10cm	81	84	89	81	77	78	77
A	19	24	26	11	10	8	(8 estimated)
T	15	17	18	7	20	21	18

SUMMARY OF ACTIVITY

Solar activity was very low on 12th, low on 13th and 16th, and moderate 14th-15th and 17th-18th August. An M3 flare was observed on 14th, and 1 M1 flare on 15th, and 17th, and 2 M1 flares on 18th August. A short wave fadeout was observed in association with the M1 flare on 17th, and again with the first flare on 18th.

The geomagnetic field at Learmonth (WA) was mostly quiet to unsettled, except for 13th-14th when the field was unsettled to active. There was a minor storm 0400-0700 UT on 13th.

Ionospheric F2 critical frequencies at Sydney were near predicted monthly values except for 15th August when values were about 15 per cent below predicted monthly values. Spread F was observed on 12th, 13th and 15th August, with Sporadic E also observed on 12th.

FORECAST FOR THE NEXT WEEK (19 - 25 August)

SOLAR: Low

GEOMAGNETIC: Mostly quiet to unsettled, with active levels expected on 24 August

IONOSPHERIC: Near predicted monthly values.

Courtesy of IPS Radio and Space Services, Sydney

-----

VK2SG RTTY DX NOTES 12 AUG 94

VK2SG RTTY DXNOTES FOR WEEKENDING 12 AUG. 1994 (BID RTDX0812)

OUR INFORMATION THIS WEEK CAME FROM: DJ3IW AND THE CENTRAL-EUROPE DX CLUSTER NODE DB0SPC, I5FLN AND THE IK5PWJ PACKET CLUSTER, N2DBI, W2JGR AND THE NJ0M NODE THE TWIN-CITIES DX PACKET CLUSTER, W5KSI AND ZS5S. THANK YOU ALL FOR YOUR ASSISTANCE.

BANDPASS

FRIDAY 5

0606-14081 5B4YY  
1127-14087 9N1MD QSL N6ER  
1529-14083 4L1BR  
1531-14085 SV1ADG  
1624-14086 4Z5GA  
1630-14086 A41KC  
1656-14088 5B4VX  
1713-14084 JW4LN QSL LA4LN  
1831-14086 IK2RZP/EA6  
2038-14086 HI8BG  
2235-14085 4X6UO  
2245-14070 5N3ALE PACTOR

SATURDAY 6

0020-14085 UN5PR  
0528-14088 TL8GM

0622-14082 UX0KN  
0641-14085 4X6U0  
1244-14087 VP2E/N2FBB  
1311-14088 UN8PYL  
1336-14091 DK20Y/TF QSL HOME CALL  
1401-14085 ER2CQ  
1522-14088 DK20Y/TF  
1614-14084 UN8PYL  
1647-14087 SV/DL5EBE  
1825-14083 TU4EI  
2153-14080 V73/W8IDJ  
2307-14085 VP5JM  
2217-14084 CX7BF

SUNDAY 7

0130-14082 V73/W8IDJ  
0201-14083 UN5PR  
0350-14086 FO5MD  
0513-14085 IS0QDV  
0751-14086 RG1A PFX GOOD WILL GAMES 94  
0832-14085 UY7IB  
1041-14084 TA4BC  
1142-14082 SV2BXZ  
1152-14085 UN5PR  
1309-14084 JW4LN  
1322-14086 TA2EH  
1326-14089 DK20Y/TF  
1332-14085 SV2ASP/A SEE NOTE  
1610-14086 HP1XVI  
1637-14091 5B4VX  
1639-14084 3B8CF  
1818-14088 UT4HZ  
1819-14085 RG1A  
1825-14089 OK1FPS  
1833-14088 9K2RA  
2311-14080 TU4EI

MONDAY 8

0522-14085 4X4AM INVERTED  
0854-14081 UY7IB  
1049-14085 OY1CT  
1106-14087 ER5AA QSL I8YGZ  
1216-14085 9M8BT  
1226-14086 UT5DX  
1229-14082 UY2SS  
1230-14083 VU2RAK  
1345-14087 DK20Y/TF  
1351-14086 VK6GOM

1401-14087 UN5PR  
1403-14087 AP2KS  
1414-14082 UN8PYL  
1419-14086 UN7GY  
1422-14084 OM2DX  
1428-14081 OY1CT  
1533-14081 3B8CF  
1709-14086 4L1BR  
1718-14073 A41KB PACTOR  
1755-14077 VU2YK PACTOR  
1846-14087 UN8PYL  
1923-14086 OY1CT  
2034-14082 SV2ASP/A  
2059-14085 ER2CQ  
2111-14083 EA9NP  
2141-14090 V21AR  
2145-14086 UX4UA  
2256-14082 YL1ZR  
2305-14086 OY1CT

TUESDAY 9

0557-14080 7Z1AB PACTOR  
0701-14068 ST0K PACTOR SEE NOTE  
1124-14086 ER1PE  
1125-14084 OY1CT  
1416-14086 UN7GY  
1538-14083 DK2OY/TF  
1647-14087 UY7IB  
1647-14088 5B4VX  
1715-14078 7Q7LA PACTOR  
1725-14085 SV1ADG  
1740-14089 9K2RA  
1745-14086 4X6UO  
2306-14086 JW4LN

WEDNESDAY 10

0207-14085 UN5PR  
0611-14082 SV2BBJ  
0753-14082 SV1ADG  
0821-14085 UY7RE  
1420-14086 OD5PL  
1443-14086 OM2DX  
1443-14087 4X6UO  
1511-14085 4L1BR  
1738-14085 SV5AZP  
1740-14086 JW4LN  
1758-14068 7Q7LA PACTOR

THURSDAY 11

0449-14089 A35CT  
0544-14088 YL2QC  
0547-14085 UN7GY  
0724-14085 9H1ET  
0745-14079 IS0CCW  
0909-14085 UN8PYL  
1229-14082 OY1CT  
1402-14085 UN5PR  
1406-14089 AP2KS  
1631-14085 OH0BBF  
1713-14086 4L1BR  
1725-14068 ST0K PACTOR  
1812-14086 JW4LN

NOTES OF INTEREST.

MOUNT ATHOS, SV/A. MONK APOLLO CAME ON FIRST RTTY IN LONG TIME AT AROUND 1330 ZULU, SUNDAY 7 AUG. MOST ALL CONTACTS WERE WITH EUROPE AND JAPAN WITH ONLY ONE STATE SIDE CRACKING PILE UP. THE OPERATION WAS ON SAME QRG, NO SPLIT MAKING IT DIFFICULT. FROM ALL REPORTS A THANK YOU IS IN ORDER TO DOMINIK, DL5EBE FOR SHIPPING 46,000 OF SOLAR CELLS, BATTERIES AND AN ICOM 735 FOR THE NEW MONASTERY.

SUDAN, ST. LUIGI, ST2AA HAS A TEMPORARY STATION FROM HOME BEFORE HOPEFULLY SETTING UP WITH HIGH DIPOLE AT THE UNIVERSITY OF AFRICA WHERE HE HOPES TO HAVE A MAILDROP OPERATION, ST0K. HE IS ONLY QRV ON 20 METERS AND HAS SIMPLE EQUIPMENT, THE ICOM 735 RUNNING ABOUT 50 WATTS. THE TNC IS SCS PTC-PLUS AND OLD SMALL PX8 COMPUTER WITH 32KB MEMORY. LUIGI HOPES THIS WILL HELP THOSE NEEDING SUDAN FOR FIRST TIME IN PACTOR MODE. QSL INFO, AIRPORT P.O.B. 73, KHARTOUM INTERNATIONAL AIRPORT, SUDAN, AFRICA.

FOR NEXT WEEK'S BULLETIN, SEND YOUR BANDPASS AND NOTES OF INTEREST TO JULES, W2JGR AT W2TKU.#SRQFL.FL.USA.NA OR W5KSI.#NOLA.LA.USA.NA

REMEMBER, DX DON'T SLEEP.  
GL DE BOB, WB2CJL AT W5KSI.#NOLA.LA.USA.NA

-----

DX BULLETIN 50 ARLD050  
FROM ARRL HEADQUARTERS  
AUGUST 12, 1994  
TO ALL RADIO AMATEURS

THE ITEMS IN THIS WEEK'S BULLETIN ARE COURTESY OF STEVE, W9NUF, THE WESTERN ILLINOIS DX ASSOCIATION, BOB, W5KNE, THE QRZ DX NEWSLETTER, TED, KB8NW, THE OHIO/PENN DX BULLETIN, AND THE CONTEST CORRAL COLUMN FROM QST. THANKS.

CENTRAL KIRIBATI. T31BA AND T31BB HAVE BEEN ON THE AIR A LOT LATELY. LISTEN FOR THEM ON 3795 KHZ BETWEEN 1030 AND 1200Z. ALSO TRY 40 METER SSB FROM 0600 TO 1300Z AND 20 METER SSB BETWEEN 2200 AND 0400Z. QSL T31BA VIA DL2ZAD. QSL T31BB VIA DF6FK.

SAINT KITTS. V44KAO HAS BEEN QUITE ACTIVE IN RECENT DAYS. HE WAS WORKED ON 7006 KHZ AT 0100Z ON WEDNESDAY.

SAINT PAUL ISLAND. THE CY9DX DXPEDITION HAS BEEN CANCELLED.

SINGAPORE. THE SPECIAL PREFIX S61 WILL BE USED BY AMATEURS THROUGH SEPTEMBER 12. THIS IS IN CONJUNCTION WITH THE 25TH ANNIVERSARY OF THE FOUNDING OF THE SINGAPORE AMATEUR RADIO TRANSMITTING SOCIETY.

HONG KONG. TOM, VR2GC, IS ON THE AIR MOST WEEKENDS. CHECK AROUND 14015 KHZ BETWEEN 1230 AND 1530Z. QSL VIA G5JJ.

MALAWI. ELISEO, IN3VZE, IS ACTIVE AS 7Q7CE UNTIL AUGUST 25. QSL VIA IN3VZE. JOHN, 7Q7JL, HAS BEEN WORKED ON 18155 KHZ BETWEEN 1300 AND 1530Z. QSL VIA G0IAS.

NEPAL. KYOKO, NH6RT, HAS BEEN HEARD SIGNING 9N1KY. SHE WAS HEARD ON 14184 KHZ AT 1648Z AND 14270 KHZ AT 1700Z. QSL VIA KYOKO YAMAKAMI, BOX 3, TOKAIMURA, 319-11, JAPAN.

CHAD. LARRY, F5IXR, IS PLANNING TO BE ON THE AIR BEGINNING AUGUST 18 SIGNING TT8/F5IXR UNTIL HE RECEIVES HIS TT8 CALL SIGN. TT8XR HAS BEEN REQUESTED. QSL VIA F5MXH. NO DOCUMENTATION HAS BEEN RECEIVED FOR THIS OPERATION.

EASTERN MALAYSIA. DAVE, 9M8BT, CONTINUES TO BE ACTIVE ON 20 METER SSB WITH A VERY GOOD SIGNAL INTO THE EAST COAST. HE WAS ALSO HEARD ON 20 METER RTTY. BEST SHOTS ARE BETWEEN 1245 AND 1500Z. QSL VIA N5FTR. JOHNNY, 9M8DB, ALSO HAS A GOOD SIGNAL AND OPERATES AROUND THE SAME TIME AS DAVE. QSL VIA JOHNNY TAN, BOX 1549, 98008, MIRI, SARAWAK, EAST MALAYSIA.

CHAGOS. VQ9TP HAS BEEN DOING A LOT OF CW ON SEVERAL BANDS. MOST ACTIVITY IS BETWEEN 1230 AND 1630Z. HE WAS HEARD OVER

THE WEEKEND ON 18083 KHZ BETWEEN 1345 AND 1600Z. ALSO CHECK THE LOW END OF THE OTHER BANDS. QSL VIA N5TP. TOM, VQ9TT, WAS HEARD ON 14014 KHZ AT 1300Z.

AMSTERDAM ISLAND. FT5XJ HAS BEEN SIGNING FT5ZF, WORKING MOSTLY ZLS, EUROPEANS, JAS AND WESTERN USA. QSL VIA F5NLL.

TOKELAU ISLANDS. 5W1UC IS SIGNING ZK3UC. QSL VIA BOX 615, APIA, WESTERN SAMOA.

GREENLAND. KARL, OX/DL1VU, SHOULD BE ON UNTIL AUGUST 25. HE PREFERS OPERATING CW. QSL VIA DL1VU.

-----  
SUBSCRIPTIONS.

Members are reminded that ANARTS Financial Year commenced on 1st July 1994 and that subscriptions are now due. We have had a freebie for 12 months as a gesture to our members but it could not continue that way for ever.

So please send \$10 ( you know, the pretty blue note) to our Secretary who will process it under our new system which should prevent delays and transit problems. Send to the official ANARTS address at Box 860, CROWS NEST. NSW. please.

-----  
Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD, or the Secretary (Pat) VK2JPA at VK2RWI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA at VK2RWI. Email addresses for the Broadcast Officer are :

patl(at)pitt.commusic.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We know we reach New Zealand and many South Pacific islands, and we were reaching as far north as Japan when conditions were right. We are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.



73s de Pat VK2JPA Broadcast Officer

That concludes the broadcast for this morning/evening.

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6  
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

-----  
Date: Mon, 22 Aug 1994 07:46:21 GMT  
From: ihnp4.ucsd.edu!swrinde!pipex!sunic!trane.uninett.no!eunet.no!nuug!EU.net!  
dkuug!dde!phn@network.ucsd.edu  
Subject: Questions: Digital Scanning, Cellphones, Transmissions  
To: info-hams@ucsd.edu

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <333n3t\$jqf@nic-nac.CSU.net> g9153402@huey.csun.edu (Berton Corson)  
writes:

>>Questions I have:  
>>

>>First, does anyone know when this will come, or even equal 50% of  
>>such calls?

Here in Europe the GSM system is developing very rapidly. In fact faster than  
anyone has ever predicted.

> ..... And, as now but  
>even more so, the service providers will subsidize the cost of the  
>phones to encourage customers to switch over. Note too that the  
>providers are primarily interested in the heavy business users of  
>cellular phones. That's where the money is, with high monthly usage.  
>If they cut off some customers who don't use the service much by  
>shutting down the analog nets, they won't cry about that. There's  
>no universal service mandate for cellular.

This is exactly what has happened here in Denmark. The old analogue net NMT  
(Nordic Mobile Telephone) was monopolized, but for GSM, there are two  
operators fighting for market shares. This has led to extreme cases  
where some of the older (first generation) GSM phones was actually  
given away or sold at very very low prices together with a subscription.  
It actually went so far, that the authorities has to introduce limiting rules  
for this subsidarazion. It was feared that in the end the subscribers  
would have to pay for the competition.  
But still you can get a new digital GSM phone for around 3000 DKK

(about \$400).

>>And if digital becomes  
>>a standard, will there be a new generation of 'digital scanners', able  
>>to detect digital, and translate it?

>No. Intercepting cellular calls is illegal now, there won't be scanners  
>legally sold to decode digital cellular in the future unless the ECPA  
>is repealed (very unlikely).

In fact European police has got a problem now. Even with a court order,  
they are not able to intercept GSM conversations. This is because  
there has not been developed equipment for this. The companies  
certainly don't see any interest in financing such a development, and  
the authorities has really been sleeping.

However, expect the analogue nets to stay for some time. Here in Denmark  
Telecom who runs the old analogue NMT systems and one of the GSM nets are  
trying to market the NMT system for private customers. This is done by  
the introduction of low subscription rates and reduced call charges  
outside business hours.

--

Per H. Nielsen	Telephone: Int +45 42 84 50 11
Basic Applications	Fax: Int +45 42 84 52 20
Dansk Data Elektronik A/S, Herlev, Denmark	E-mail: phn@dde.dk

-----

Date: 22 Aug 1994 22:07:10 +1000  
From: ihnp4.ucsd.edu!munnnari.oz.au!metro!news.ci.com.au!eram.esi.com.au!not-for-  
mail@network.ucsd.edu  
Subject: VK2WI Weekly News, 21 August, 1994  
To: info-hams@ucsd.edu

\*\* PRESIDENT'S MESSAGE \*\*

This is Michael Corbin, VK2PFQ.

As I told you last week, there was a meeting of the "Council" last  
Friday evening the 19th August. The prime purpose of this meeting,  
was to discuss a motion, prior notice of which had been given. To  
refresh your memory this motion was (with a couple of addendums),  
"That this meeting instruct the Divisional Barrister to proceed as  
per the advice of the 27th July, 1994, from Messrs. Lewarne and  
Goldsmith of Parramatta" and that voting be by, a show of hand."

Allegations were made by Roger Harrison in a written statement,  
presented at the meeting that Michael Corbin had presented the

Barrister with "questions and propositions". He concluded that, and I quote, "the clear conclusion can be drawn that the advice sought arose from "the Concerned Amateurs Group". THIS IS NOT TRUE!

His further conclusion was that I was guilty of an offence under Section 232(6) of Corporations Law. This section has absolutely as much relevance as a Thesis on the Likelihood of fitting 6 round pegs into 4 square holes, I'll quote it nevertheless:

"232(6) (NO GAIN BY IMPROPER USE OF POSITION) An Officer or employee of a corporation must not, in relevant circumstances, make improper use of his or her position as such an officer or employee, to gain, directly or indirectly, an advantage for himself or herself or for any other person or to cause detriment to the corporation."

I ask you what possible gain could there have been to me personally .... what possible advantage could I have expected to gain for myself ..... and finally what detriment could I have caused to the corporation.

Lets run them again...

- (i) What possible gain could there have been to me personally.....  
Answer....NONE!
- (ii) What possible advantage could I have expected to gain for myself.....  
Answer.....NONE!
- (iii) What sort of detriment could I have caused to the corporation.....  
Answer.....NONE!

To infer that I obtained any advice other than for the benefit of the Wireless Institute of Australia N.S.W. Division is scandalous.

To suggest that I have acted other than with the best interest of the Division and the hobby is wicked. I intend to forward Mr Harrison's allegations of "IMPROPRIETY" to the Solicitor for his information. If trying to do the RIGHT THING by the Division is my crime then..... I AM GUILTY!

I do not propose to discuss this any further until next week. I am far too tired at this point in time ....Remember I am trying to earn a quid and...at the same time fight a rearguard actions against a group of Councillors who, in my opinion, seem hell bent on the destruction of the Wireless Institute. The sooner this nonsense is over the better.

The motion was decided on the casting vote of the Chairman.

In conclusion I advise that the three Federal Councillors who represented this Division have been replaced as they ... "no longer have the Confidence of the Council of this Division" ... but more of this next weekend.

See you then.

#### WICEN News

Users of the Sydney WICEN repeaters are asked to be patient whilst a problem is being sorted out; it appears that since the re-commissioning of the system a rogue pager on 2m and a wide-band signal on 70cm have appeared.

The VRA Annual Conference, celebrating 25 years, will be held at Wagga on the weekend of 8-9th October. At this conference Max Walters will step down after 25 years as President, so a large attendance is expected. There will be a Dinner on Saturday 8th October, and an informal gathering on Sunday 9th. There is also a family outing on Saturday whilst delegates are at the conference. Any WICEN member wishing to attend should contact the State Co-ordinator, John Howard VKn@MH on (02) 477-6616, by letter to his Call Book address, or the WICEN Co-ordinators conference will be held at Bathurst on the weekend of 29-30th October. The format will be primarily a training Seminar with emphasis on Regional administration, and Operations with a short business session. All members are invited, and they will be able to contribute towards its success. Further information will be given on a later Broadcast.

The Windsor-Sackville Regatta is next Saturday; contact details are scanty at the moment, but interested personnel may contact John Buxton VK2GJB.

Looking ahead to future events, don't forget the "Hawkesbury Classic Paddle" on the weekend of 22nd-23rd October. As before, Kevin VK2CKD is in charge, and he advises that packet radio will be tried for this event.

Those regions wishing to have their activities publicised on this broadcast are requested to get the details to the Publicity Officer, Dave VK2KFU, by Thursday night at the latest. Packet radio is the preferred medium, to either VK2AAB or VK2OP BBS, and all items are promptly acknowledged.

WICEN (NSW) Inc. operates a telephone BBS, at speeds from 300 to 14,400 bps on (02) 888-2763. Brett VK2XMU is the "Sysop", and all listeners are invited to use it. Many programs, such as "virus

scanners" and "PGP", are available for downloading.

-- Dave VK2KFU, WICEN (NSW) Inc. Publicity Officer

#### Magazine Roundup

Here again is a summary of the local magazines, which in the author's opinion could be of interest to Amateurs.

"Electronics Australia" has an article on how Pay-TV signals are scrambled; short-wave listeners will find some practical advice on getting the most from their receivers; a simple gel-cell charger is presented; and details of a wide-band noise source are given.

"Silicon Chip" mixes the old and new with a microprocessor-controlled Morse keyer; and builds a simple crystal checker and a Ni-Cad "zapper".

"Amateur Radio" builds a beam antenna with bent elements; discusses an 80m antenna for a confined location and an unusual multi-band antenna; and shows the effectiveness of a pager notch filter.

"Amateur Radio Action" discusses multi-band vertical antennas; and modifies a TS-680S for an all-mode squelch. Packet radio users may find the article on PGP authentication to be of interest.

Be listening next month for another summary of the local magazines.

-- Dave VK2KFU

#### 2nd Annual South Australian Technical Symposium

The second annual South Australian Technical Symposium is to be held on Saturday September the 17th in Adelaide at the Onkaparinga Insitute, O'Halloran Hill Campus (formerly the Kingston College of TAFE), Majors Road, O'Halloran Hill. This event presents a series of lecturers on various technical aspects of Amateur Radio and the Electronics and Communications industries. Topics this year include:

##### Key Note Speakers:

How cellular telephones work  
The Spectrum Management Agency

Telecom Australia  
SMA Adelaide

##### General lectures:

FM ATV equipment construction and operation	David Minchin VK5KK
FAX and SSTV using your home PC	Colin McCarthy VK5EB
Electronic test equipment & measurements	Mark Spooner VK5AVQ
HF antennas	Rob Gurr VK5RG
HF QRP operation & equipment	Bernie Samuel
EME communications	Al Rechner VK5EK
The TPK Packet Radio terminal	Rod Baker VK5ZTV
TCP/IP, The Internet and Amateur Packet Radio	Steve Fraser VK5ASF
An introduction to microprocessors	Peter Cockburn VK5TZX

The general lectures are held in three streams. Lunch, Morning tea and Afternoon tea are all provided and everyone who attends will receive a copy of the symposium.

The doors open at 9.00am with the first lecture starting at 9.30am. It should finish around 5.30pm.

Last year this event was very popular with people attending from around Australia including Perth and Melbourne. Many also came to Adelaide from Country SA.

If your club members wish to book tickets or would like more information you can contact Grant Willis either by post at 'SA Tech Symposium, PO Box 333 Morphett Vale SA 5162' or by telephone on (08) 277-3077 between 7.30pm and 9.00pm CST. Tickets are available for \$20 ea. Last year all the seats were snapped up very quickly so get in early! Payment can be made by way of cheque or money order to the South Coast Amateur Radio Club Inc.

I hope to see you all in Adelaide on September 17th!

Yours sincerely  
Grant Willis Club Secretary

#### ABC launches new radio

A new all-news radio station has just appeared on the AM medium wave broadcast band with news updates every 15 minutes. News Radio is a station of the Australian Broadcasting Corporation, will be live on air initially for six hours a week using the facilities of the Parliamentary News Network. At other times a programme explaining what News Radio is about is being transmitted continuously.

The station format will feature news from Radio Australia, the BBC World Service, CNN and other sources will be some of the input information. In a break with tradition, all the presenters are journalists themselves. The station boasts that it is making use of

the recently developed DCAR, Digital audio system, which allows rapid high quality editing of news stories which are updated throughout the day.

The station will be broadcasting from all capital cities except Darwin, plus Newcastle and Canberra. Listeners will be able to keep up to date with the latest news wherever they are. The station frequencies they are using:

in Sydney	630KHz
Melbourne	1026KHz
Canberra	1440KHz
Newcastle	1458KHz
Brisbane	936KHz
Hobart	729KHz
Adelaide	972KHz
Perth	585KHz

This item was submitted by Richard Murnane VK2SKY

#### IPS weekly report

-----

12 August - 18 August 1994

Issue No 33

Date of issue: 19 August 1994

#### INDICES:

Date	12	13	14	15	16	17	18
10cm	81	84	89	81	77	78	77
A	19	24	26	11	10	8	(8 estimated)
T	15	17	18	7	20	21	18

#### SUMMARY OF ACTIVITY

Solar activity was very low on 12th, low on 13th and 16th, and moderate 14th-15th and 17th-18th August. An M3 flare was observed on 14th, and 1 M1 flare on 15th, and 17th, and 2 M1 flares on 18th August. A short wave fadeout was observed in association with the M1 flare on 17th, and again with the first flare on 18th.

The geomagnetic field at Learmonth (WA) was mostly quiet to unsettled, except for 13th-14th when the field was unsettled to active. There was a minor storm 0400-0700 UT on 13th.

Ionospheric F2 critical frequencies at Sydney were near predicted monthly values except for 15th August when values were about 15 per cent below predicted monthly values. Spread F was observed on 12th, 13th and 15th August, with Sporadic E also observed on 12th.

#### FORECAST FOR THE NEXT WEEK (19 - 25 August)

SOLAR: Low  
GEOMAGNETIC: Mostly quiet to unsettled, with active levels expected on 24 August  
IONOSPHERIC: Near predicted monthly values.

Courtesy of IPS Radio and Space Services, Sydney

Summary by Pat VK2JPA ANARTS Broadcast Officer

#### Blue Mountains Amateur Radio Club News

We invite one and all to the next meeting. The highlight of the evening will be a guest speaker Mr. Webb who was a radio operator in the Merchant Navy during World War II. Looking forward to some old radio stories from a bygone era, so please come and join us.

The meeting commences at 8pm, the 2nd of September, the venue is the Springwood High School corner of Grose Road and Chapman Parade Faulconbridge, you should enter from Chapman Parade. During the evening refreshments will be served, all are most welcome.

from Alex VK2KAS Publicity Officer

#### Summerland Amateur Radio Club

(1) Last weekend some members provided communications for a Horse Endurance Ride, in the Toonumbar Dam area, way beyond Kyogle. An overnight camp was involved, with a flat tyre and a horse stampede, in the middle of the night, helping to keep them on the ball.

The ride started before daylight and finished, successfully, around 2.30pm.

VHF proved quite adequate for the purpose, in spite of the hilly terrain. A few valuable lessons were learnt and it 'all came together in the end'.



(2) Amateur Radio Exams, conducted at our clubrooms last Sunday, gained us a new limited call, two upgrades to full call and two near misses! Congratulations and commiserations.

(3) The next social outing for members, and friends, will be a family B.B.Q. cum Sausage Sizzle, at the clubrooms, on Sunday 28th August. Come along, all welcome, and have an 'eyeball' over a sausage or two.

VK2GJ, Graeme, Publicity Officer

#### Coming events

Windsor-Sackville Regatta (WICEN) . . . . .	27 August
Summerland Amateur Radio Club meeting . . . . .	28 August
Blue Mountains ARC meeting . . . . .	2 September
Westlakes Vintage Radio Day . . . . .	3 September
2nd Annual S.A. Technical Symposium . . . . .	17 October
JOTA 1994 . . . . .	15-16 October
Hawkesbury Canoe Classic . . . . .	22-23 October

-----  
VK2WI Broadcast, 21st August 1994. Copyright 1994 WIA (NSW) & contributors. Material may be used elsewhere if the source is acknowledged.

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6  
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

-----  
End of Info-Hams Digest V94 #946

\*\*\*\*\*